Zongbiao Dai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3056682/publications.pdf

Version: 2024-02-01

12	621	840776 11	1281871 11
papers	citations	h-index	g-index

12	12	12	373
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of pre-existed austenite on austenite reversion and mechanical behavior of an Fe-0.2C-8Mn-2Al medium Mn steel. Acta Materialia, 2018, 147, 59-69.	7.9	137
2	Chemical boundary engineering: A new route toward lean, ultrastrong yet ductile steels. Science Advances, 2020, 6, eaay1430.	10.3	120
3	Fundamentals and application of solid-state phase transformations for advanced high strength steels containing metastable retained austenite. Materials Science and Engineering Reports, 2021, 143, 100590.	31.8	100
4	The effect of É³-Ni3Ti precipitates and reversed austenite on the passive film stability of nickel-rich Custom 465 steel. Corrosion Science, 2019, 154, 178-190.	6.6	64
5	Elucidating the effect of Mn partitioning on interface migration and carbon partitioning during Quenching and Partitioning of the Fe-C-Mn-Si steels: Modeling and experiments. Acta Materialia, 2018, 144, 666-678.	7.9	60
6	Thermo-kinetic design of retained austenite in advanced high strength steels. Acta Materialia, 2018, 152, 288-299.	7.9	40
7	Kinetic transitions and Mn partitioning during austenite growth from a mixture of partitioned cementite and ferrite: Role of heating rate. Journal of Materials Science and Technology, 2020, 49, 70-80.	10.7	31
8	Incomplete carbon partitioning during quenching and partitioning of Feâ€“Câ€“Mnâ€“Si steels: Modeling and experimental validations. Acta Materialia, 2020, 200, 597-607.	7.9	21
9	Revealing carbide precipitation effects and their mechanisms during quenching-partitioning-tempering of a high carbon steel: Experiments and Modeling. Acta Materialia, 2021, 217, 117176.	7.9	21
10	Effect of Interfacial Mn Partitioning on Carbon Partitioning and Interface Migration During the Quenching and Partitioning Process. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3168-3174.	2.2	16
11	The Correlation Between the Distribution/Size of Carbides and Electrochemical Behavior of 17Cr-1Ni Ferritic-Martensitic Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 388-400.	2.2	11
12	Phase Field Modeling of Austenite Decomposition and Formation in Steels: An Overview. , 2022, , 527-540.		0